

Title (en)

Radiant tube broiler

Title (de)

GAROFEN MIT STRAHLROHR

Title (fr)

FOUR DE CUISSON À TUBE RADIANT

Publication

EP 2363645 B1 20170712 (EN)

Application

EP 11161358 A 20071108

Priority

- EP 07861858 A 20071108
- US 85815206 P 20061110

Abstract (en)

[origin: EP2363645A2] An emitter tube has an outer surface and an inner surface, wherein the inner surface defines a cavity of the emitter tube, and the cavity of the emitter tube is adapted for receiving food. An outer tube has an inner surface that defines a cavity of the outer tube, and the emitter tube is positioned in the cavity of the outer tube. A heating unit is for heating the outer surface of the emitter tube so that heat energy is transferred by conduction from the outer surface of the emitter tube to the inner surface of the emitter tube, and the inner surface of the emitter tube emits infrared radiant energy into the cavity of the emitter tube so that a majority of the energy that is transferred to the food within the emitter tube is in the form of infrared radiant energy.

IPC 8 full level

F24C 3/04 (2006.01); **F23D 14/02** (2006.01); **F24C 3/14** (2006.01); **F24C 15/32** (2006.01)

CPC (source: EP US)

A47J 37/0635 (2013.01 - EP US); **A47J 37/0652** (2013.01 - EP US); **A47J 37/0688** (2013.01 - EP US); **A47J 37/0718** (2013.01 - EP US); **F24C 3/047** (2013.01 - EP US); **F24C 15/32** (2013.01 - EP US)

Citation (examination)

- US RE14965 E 19201026
- US 5890422 A 19990406 - CLARK GILBERT D [US], et al

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2008060443 A2 20080522; **WO 2008060443 A3 20090423**; AT E530853 T1 20111115; CA 2668060 A1 20080522; CA 2668060 C 20150922; CN 101611265 A 20091223; CN 101611265 B 20121010; DK 2363645 T3 20171023; EP 2084460 A2 20090805; EP 2084460 B1 20111026; EP 2363645 A2 20110907; EP 2363645 A3 20111228; EP 2363645 B1 20170712; US 2008121117 A1 20080529; US 2012241435 A1 20120927; US 8227728 B2 20120724; US 8890037 B2 20141118

DOCDB simple family (application)

US 2007023577 W 20071108; AT 07861858 T 20071108; CA 2668060 A 20071108; CN 200780049314 A 20071108; DK 11161358 T 20071108; EP 07861858 A 20071108; EP 11161358 A 20071108; US 201213489710 A 20120606; US 98337507 A 20071108